9051 Mira Mesa Blvd, #910094
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ENSA Human

Endosulfine Alpha Human Recombinant
RCP0759

Product Overview

Name	ENSA Human
Description	
Endosulfine Alpha Human Recombinant	
Accession (Primary)	O43768
Synonyms	
ARPP-19e, Alpha endosulfine isoform 3, Alpha-endosulfine, ENSA, MGC4319, MGC8394, MGC78563.	
Introduction	
ENSA is an endogenous ligand for sulfonylurea receptor. ENSA reduces K(ATP) channel currents by inhibiting sulfonylurea from binding to the receptor and thus stimulates insulin secretion. Endosulfine Alpha is part of a conserved cAMP-regulated phosphoprotein (ARPP) family. Endosulfine Alpha is an endogenous ligand for the sulfonylurea receptor, ABCC8/SUR1. Endosulfine Alpha is an endogenous regulator of KATP channels. ENSA modulates insulin secretion through the interaction with KATP channel. ENSA is a candidate gene for type 2 diabetes. ENSA is expressed in a wide range of tissues including muscle, brain, and endocrine tissues.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The Endosulfine Alpha protein solution contains 20mM Tris, pH-8, 1mM DTT and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MSQKQEEENP AEETGEEKQD TQEKEGILPE RAEEAKLKAK YPSLGQKPGG SDFLMKRLQK GQKYFDSGDY NMAKAKMKNK QLPSAGPDKN LVTGDHIPTP QDLPQRKSSL VTSKLAGGQV E.	
Precautions	

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ENSA Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43768)